



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/571,989A

DATE: 03/28/2007

TIME: 14:54:06

Input Set : N:\efs\03_28_07\10571989A_efs\clev200023ST25.txt
 Output Set: N:\CRF4\03282007\J571989A.raw

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3 <110> APPLICANT: Cleveland State University
5 <120> TITLE OF INVENTION: EXOSITE-DIRECTED THROMBIN INHIBITORS
7 <130> FILE REFERENCE: CLEV200023
9 <140> CURRENT APPLICATION NUMBER: US 10/571,989A
C--> 10 <141> CURRENT FILING DATE: 2006-03-13
12 <150> PRIOR APPLICATION NUMBER: PCT/US04/021487
13 <151> PRIOR FILING DATE: 2004-07-01
15 <150> PRIOR APPLICATION NUMBER: US 60/502186
16 <151> PRIOR FILING DATE: 2003-09-12
18 <160> NUMBER OF SEQ ID NOS: 25
20 <170> SOFTWARE: PatentIn version 3.2
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 30
24 <212> TYPE: PRT
25 <213> ORGANISM: Homo sapiens
27 <400> SEQUENCE: 1
29 Lys Met His Asp Arg Leu Glu Pro Gln Asp Glu Glu Ser Asp Ala Asp
30 1 5 10 15
33 Tyr Asp Tyr Gln Asn Arg Leu Ala Ala Ala Leu Gly Ile Arg
34 20 25 30
37 <210> SEQ ID NO: 2
38 <211> LENGTH: 10
39 <212> TYPE: PRT
40 <213> ORGANISM: Homo sapiens
42 <400> SEQUENCE: 2
44 Lys Met His Asp Arg Leu Glu Pro Glu Asp
45 1 5 10
48 <210> SEQ ID NO: 3
49 <211> LENGTH: 10
50 <212> TYPE: PRT
51 <213> ORGANISM: Homo sapiens
53 <400> SEQUENCE: 3
55 Leu Glu Pro Glu Asp Glu Glu Ser Asp Ala
56 1 5 10
59 <210> SEQ ID NO: 4
60 <211> LENGTH: 10
61 <212> TYPE: PRT
62 <213> ORGANISM: Homo sapiens
64 <400> SEQUENCE: 4
66 Glu Glu Ser Asp Ala Asp Tyr Asp Tyr Gln
67 1 5 10
70 <210> SEQ ID NO: 5
71 <211> LENGTH: 10

```

see pg 2-4
 Does Not Comply
 Corrected Diskette Needed

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```

72 <212> TYPE: PRT
73 <213> ORGANISM: Homo sapiens
75 <400> SEQUENCE: 5
77 Asp Tyr Asp Tyr Gln Asn Arg Leu Ala Ala
    5           10
78 1
81 <210> SEQ ID NO: 6
82 <211> LENGTH: 10
83 <212> TYPE: PRT
84 <213> ORGANISM: Homo sapiens
86 <400> SEQUENCE: 6
88 Asn Arg Leu Ala Ala Ala Leu Gly Ile Arg
    5           10
89 1
92 <210> SEQ ID NO: 7
93 <211> LENGTH: 5
94 <212> TYPE: PRT
95 <213> ORGANISM: Artificial
97 <220> FEATURE:
98 <223> OTHER INFORMATION: chemically synthesized
100 <400> SEQUENCE: 7
102 Asp Tyr Asp Tyr Gln
    5
103 1
106 <210> SEQ ID NO: 8
107 <211> LENGTH: 5
108 <212> TYPE: PRT
109 <213> ORGANISM: Artificial
111 <220> FEATURE:
112 <223> OTHER INFORMATION: TYR AT SEQUENCE LOCATION 4 IS SULFONATED (-SO3-2) Artificial
114 <400> SEQUENCE: 8
116 Asp Tyr Asp Tyr Gln
    5
117 1
120 <210> SEQ ID NO: 9
121 <211> LENGTH: 5
122 <212> TYPE: PRT
123 <213> ORGANISM: Artificial
125 <220> FEATURE:
126 <223> OTHER INFORMATION: TYR AT SEQUENCE LOCATIONS 2 AND 4 ARE SULFONATED (-SO3-2)
128 <400> SEQUENCE: 9
130 Asp Tyr Asp Tyr Gln
    5
131 1
134 <210> SEQ ID NO: 10
135 <211> LENGTH: 4
136 <212> TYPE: PRT
137 <213> ORGANISM: Homo sapiens
139 <400> SEQUENCE: 10
141 Asp Tyr Asp Tyr
142 1
145 <210> SEQ ID NO: 11
146 <211> LENGTH: 5
147 <212> TYPE: PRT

```

↓ this may replace Tyr, but it does not explain
same error
 (see item 11 on Error summary sheet)

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Input Set : N:\efs\03_28_07\10571989A_efs\clev200023ST25.txt
Output Set: N:\CRF4\03282007\J571989A.raw

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225 <210> SEQ ID NO: 18
226 <211> LENGTH: 15
227 <212> TYPE: DNA
228 <213> ORGANISM: Homo sapiens
230 <400> SEQUENCE: 18
231 tcatccagga gaacc 15
234 <210> SEQ ID NO: 19
235 <211> LENGTH: 28
236 <212> TYPE: DNA
237 <213> ORGANISM: Homo sapiens
239 <400> SEQUENCE: 19
240 gctaaggta agttccagaa cagactgg 28
243 <210> SEQ ID NO: 20
244 <211> LENGTH: 28
245 <212> TYPE: DNA
246 <213> ORGANISM: Homo sapiens
248 <400> SEQUENCE: 20
249 ccagtctgtt ctggaactta aacttagc 28
252 <210> SEQ ID NO: 21
253 <211> LENGTH: 13
254 <212> TYPE: PRT
255 <213> ORGANISM: Artificial
257 <220> FEATURE:
258 <223> OTHER INFORMATION: NO COMMENT
260 <400> SEQUENCE: 21
262 Asp Tyr Gln Asn Arg Leu Ala Ala Ala Leu Gly Ile Arg
263 1 5 10
266 <210> SEQ ID NO: 22
267 <211> LENGTH: 15
268 <212> TYPE: PRT
269 <213> ORGANISM: Artificial
271 <220> FEATURE:
272 <223> OTHER INFORMATION: NO COMMENT
274 <400> SEQUENCE: 22
276 Pro Val Ile Pro Ala Asn Met Asp Lys Lys Tyr Arg Ser Gln His
277 1 5 10 15
280 <210> SEQ ID NO: 23
281 <211> LENGTH: 42
282 <212> TYPE: PRT
283 <213> ORGANISM: Homo sapiens
285 <400> SEQUENCE: 23
287 Asn Leu Lys Lys Ile Thr Arg Glu Gln Arg Arg His Met Lys Arg Trp
288 1 5 10 15
291 Glu Tyr Phe Ile Ala Ala Glu Glu Val Ile Trp Asp Tyr Ala Pro Val
292 20 25 30
295 Ile Pro Ala Asn Met Asp Lys Lys Tyr Arg
296 35 40
299 <210> SEQ ID NO: 24
300 <211> LENGTH: 9

```

*invalid. Artificial Sequences must be explained
(see item 11 on Error Summary Sheet)*

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Input Set : N:\efs\03_28_07\10571989A_efs\clev200023ST25.txt
Output Set: N:\CRF4\03282007\J571989A.raw

301 <212> TYPE: PRT
302 <213> ORGANISM: Homo sapiens
304 <400> SEQUENCE: 24
306 Glu Tyr Phe Ile Ala Ala Glu Glu Val
307 1 5
310 <210> SEQ ID NO: 25
311 <211> LENGTH: 5
312 <212> TYPE: PRT
313 <213> ORGANISM: Homo sapiens
315 <400> SEQUENCE: 25
317 Glu Tyr Phe Ile Ala
318 1 5

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 03/28/2007
PATENT APPLICATION: US/10/571,989A TIME: 14:54:07

Input Set : N:\efs\03_28_07\10571989A_efs\clev200023ST25.txt
Output Set: N:\CRF4\03282007\J571989A.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:7,8,9,12,13,14,21,22

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Input Set : N:\efs\03_28_07\10571989A_efs\clev2000238T25.txt
Output Set: N:\CRF4\03282007\J571989A.raw

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148 <213> ORGANISM: Homo sapiens
150 <400> SEQUENCE: 11
152 Asp Tyr Asp Tyr Gln
153 1
154 5
156 <210> SEQ ID NO: 12
157 <211> LENGTH: 4
158 <212> TYPE: PRT
159 <213> ORGANISM: Artificial same
161 <220> FEATURE:
162 <223> OTHER INFORMATION: TYR AT SEQUENCE LOCATION 2 IS SULFONATED (-SO3-2)
164 <400> SEQUENCE: 12
166 Asp Tyr Asp Tyr
167 1
170 <210> SEQ ID NO: 13
171 <211> LENGTH: 4
172 <212> TYPE: PRT
173 <213> ORGANISM: Artificial same
175 <220> FEATURE:
176 <223> OTHER INFORMATION: TYR AT SEQUENCE LOCATION 4 IS SULFONATED (-SO3-2)
178 <400> SEQUENCE: 13
180 Asp Tyr Asp Tyr
181 1
184 <210> SEQ ID NO: 14
185 <211> LENGTH: 4
186 <212> TYPE: PRT
187 <213> ORGANISM: Artificial same
189 <220> FEATURE:
190 <223> OTHER INFORMATION: TYR AT SEQUENCE LOCATIONS 2 AND 4 ARE SULFONATED (-SO3-2)
192 <400> SEQUENCE: 14
194 Asp Tyr Asp Tyr
195 1
198 <210> SEQ ID NO: 15
199 <211> LENGTH: 23
200 <212> TYPE: DNA
201 <213> ORGANISM: Homo sapiens
203 <400> SEQUENCE: 15
204 gagtgatgt aagtggatt acc 23
207 <210> SEQ ID NO: 16
208 <211> LENGTH: 23
209 <212> TYPE: DNA
210 <213> ORGANISM: Homo sapiens
212 <400> SEQUENCE: 16
213 ggttaatcaaa ctttagcatca ctc 23
216 <210> SEQ ID NO: 17
217 <211> LENGTH: 18
218 <212> TYPE: DNA
219 <213> ORGANISM: Homo sapiens
221 <400> SEQUENCE: 17
222 catggatgt ccttctcg 18

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VERIFICATION SUMMARY
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Input Set : N:\efs\03_28_07\10571989A_efs\clev200023ST25.txt
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L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date